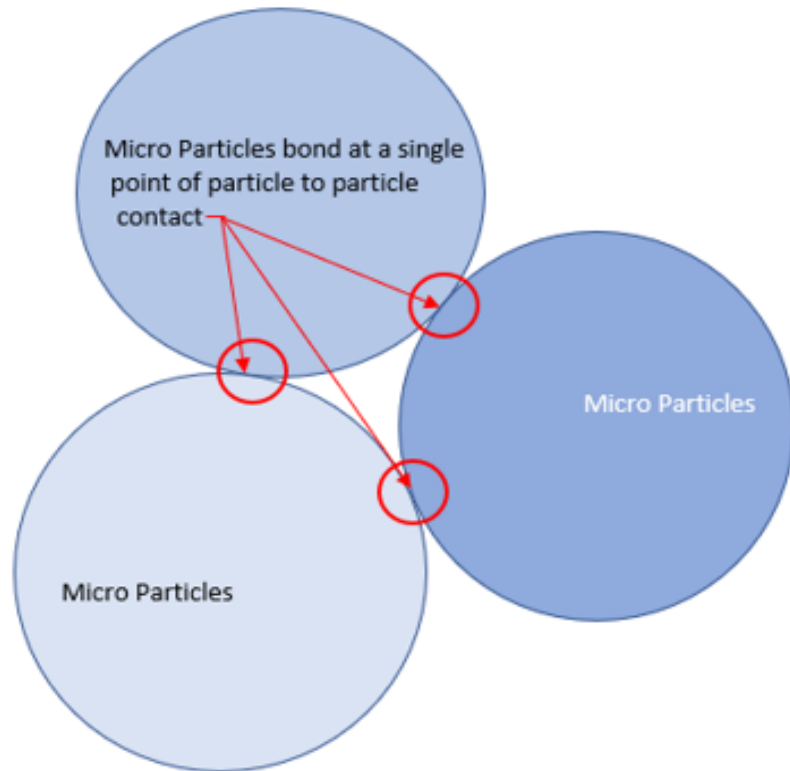
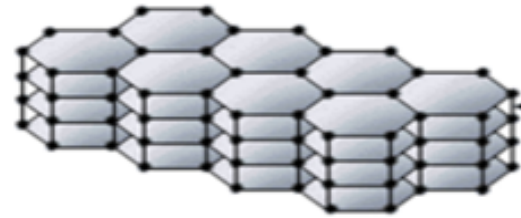


Traditional Macro and Micro Particle Bonds



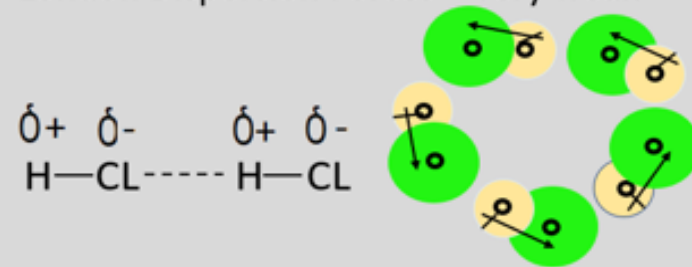
Traditional macro and micro particle chemical bonds of products, above, created by other chemical materials manufacturers, have a singular contact point per interaction and reaction. Notice the space between particles once the chemical reaction and bond is made. There is a tremendous amount of surface area left unreacted. These bonds are known common Van der Waal forces **as explained by images, left**. These are weak bonds leaving enormous amounts of bonding surface area unreacted. This unreacted surface area leaves voids that weaken the bonds of traditional sealants, sealers, coatings, repair materials, and other commercial/industrial construction and maintenance materials.

Van der Waal forces - traditional linking forces

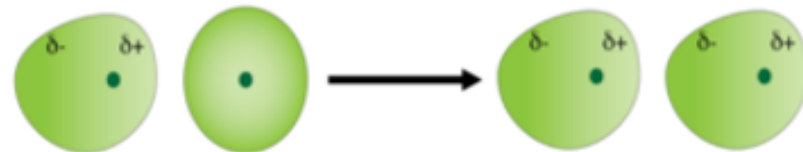


The Van der Waal forces are weak attractions due to the limited contact surface area available in a mass as limited by particle sizes.

London Dispersion Forces - very weak



Dipole-Dipole - stronger



Instantaneous uneven distribution of electrons in He atom

Nonpolar He atom

Instantaneous dipole

Induced dipole on neighboring He atom forms